

Higgs -> gamma gamma branching ratio

Tuesday, 24 April 2012 15:30 (25 minutes)

The determination of the Higgs boson branching fractions is central to the ILC physics programme. In particular, the rare decay $H \rightarrow \gamma\gamma$ is one of the benchmark process for the DBD. Assuming an integrated luminosity of 250 fb^{-1} with the ILD detector at $\sqrt{s}=250 \text{ GeV}$ we present preliminary results on the estimation of the statistical uncertainty on this branching ratio.

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Session Classification: ACFA Physics